



# Interoperability, Conformance & Testing - Breakout 3 -

NIST eBSC SOA Workshop  
April 16, 2004

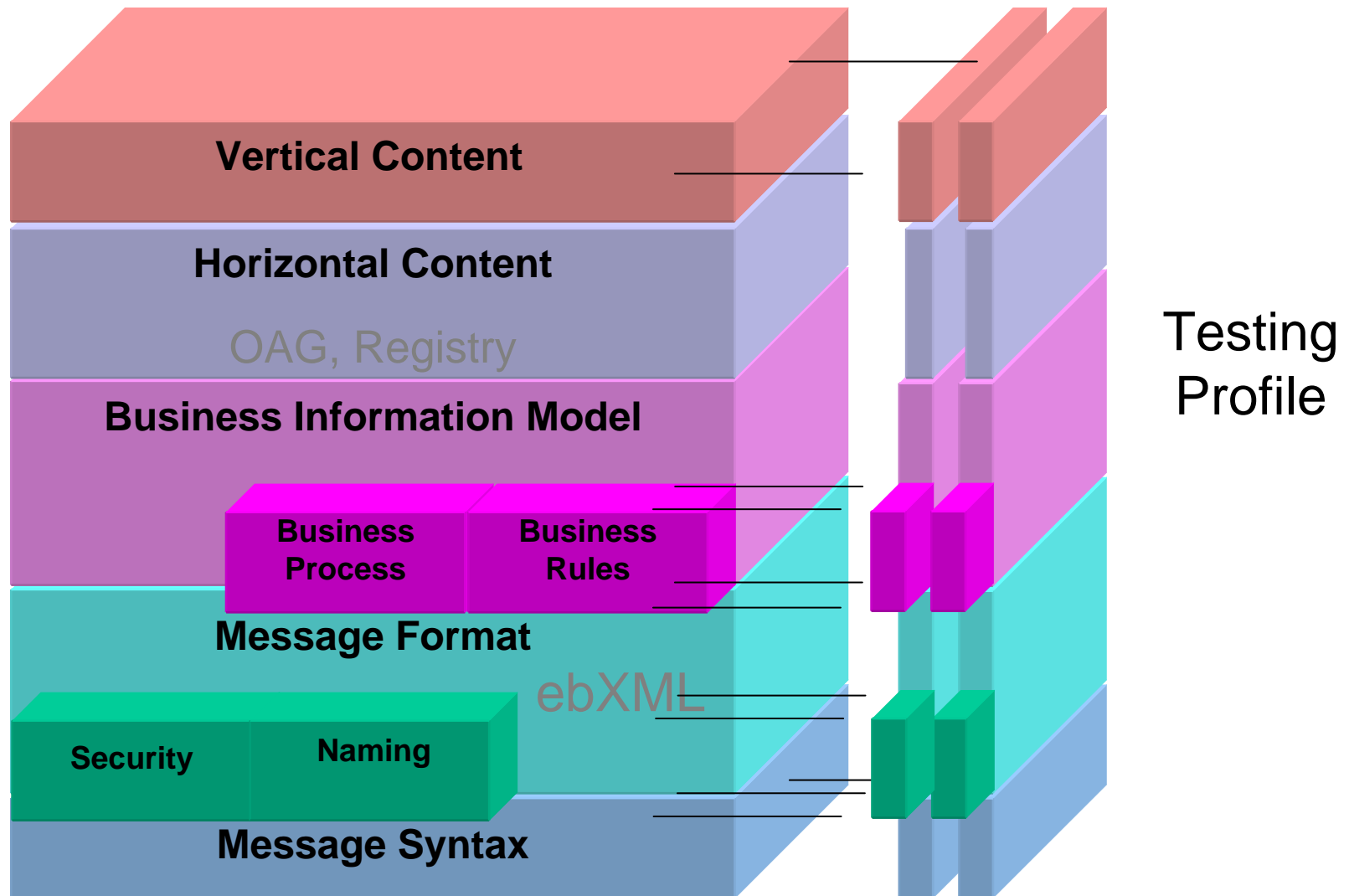
Facilitator: Tom Rhodes - NIST



# Goal

- Uniform conformance and interoperability testing to support global, interoperable, ebusiness.
- A parent organization to promote global conformance and interoperability testing.

# Testing the Interoperability Stack



# What's Needed?

- Conformance & Interoperability Statements
- Conformance & Interoperability Specifications
- Implementation Guidelines
- Conformance & Interoperability Test Tools
- Test Requirements and Test Cases
- Test Framework to Automate Testing
- Testing & Certification Services

# Testing Activities

- ebXML Messaging (ebXML MH)
  - NIST-OAG B2B Interoperability Test Bed
  - AIAG (Ford, GM, Caterpillar...)
  - ETSI Global PlugTests (CEN/ISSS, EU)
  - KorBIT, NCA (S. Korea)
  - Drummond Group, Inc. (DGI)
  - Drake-Certivo, Inc.

# Testing Activities

- OAG BoDs
  - NIST-OAG B2B Interoperability Test Bed
  - AIAG (Ford, GM, Caterpillar...)

# OASIS IIC Testing Activities

- Provide non-intrusive conformance and interoperability testing
- Support "maintenance" conformance and interoperability testing
- Provide automated testing tools

# OASIS IIC Test Framework

- OASIS ebXML IIC Test Framework (V1, V2)
  - ebXML MH (ready)
  - ebXML Registry (in development)
  - ebXML BPSS (in development)
  - ebXML CPP/CPA, CC (future)
  - NIST developing V2 implementation (Fall04)



# OASIS IIC Collaborators

- eBusiness Consortia – Asia (ECOM, KorBIT, NCA, KIEC), Europe (EAN-UCC), North America (OASIS)
- Companies – Sun Microsystems, Drake Certivo Inc., Fujitsu, GE Global Exchange Services, SeeBeyond Technology Corporation, Yellow Dragon (Adobe), Drummond Group

# OASIS IIC Test Framework Adoption

- OASIS IIC Conformance/Interoperability Test Framework is being implemented and used in ebXML MS and Registry conformance and interoperability testing by:
  - KorBIT
  - NCA
  - KIEC
  - NIST
  - Drake-Certivo
- IIC is exploring the use of the test framework in ebXML BPSS, CPP/A and CC testing

# OASIS IIC Test Framework Testing

- KorBIT Korea
  - IIC MS 2.0 Conformance Test Suite
  - IIC MS 2.0 Basic Interoperability Test Suite
- NCA Korea
  - IIC MS 2.0 Conformance Test Suite
  - IIC Registry V2.1 Conformance Test Suite
- NIST OAG Testbed - (Drake Certivo)
  - OAG BOD conformance testing using IIC Test Framework

# NIST XML Test Suite

- Tests (downloadable):
  - W3C/NIST XML
  - NIST XML Schema
  - W3C/NIST XML DOM Level 1
  - NIST XML Query
  - W3C/NIST Xinclude
  - XSLT/Xpath
  - XSL-FO
- URL: <http://www.nist.gov/xml>

# Open Forum

- Questions?
- Discussion?
- Problems?
- Issues?
- Requirements?
- Solutions?
- Suggestions?
- Follow-on Activities/Actions?